

Purpose

Command DEFINEL OPTION defines a Local named Option.

The Option can then be invoked using the INCLUDE subcommand of the SETOPTIONS command.

Format

@DEFINEL OPTION [NAME=]optname [[PASSWORD]=password]

$$\left\{ \begin{array}{l} \text{techname} \left[\begin{array}{l} (Y^\circ) \\ (N) \\ (\text{int}) \end{array} \right] \left[\left(\left(\left[\begin{array}{l} S^\circ \\ F \\ C \\ A \end{array} \right] \right) \right) \left\{ \text{identifiers} \right\} \right) \right] \left\{ [\text{argname}]=\text{value} \right\} \end{array} \right\}$$

and/or

{ INCLUDE optname }

and/or

$$\left\{ \begin{array}{l} \text{MOD} \\ \left\{ \text{modcards} \right\} \\ \text{ENDMOD} \end{array} \right\}$$

Parameter Description

| <u>Parameter</u> | <u>Required/ Optional</u> | <u>Maximum Characters</u> | <u>Description</u> |
|----------------------|-------------------------------|-------------------------------|---|
| optname | R | 8 | Name of the Option being defined |
| password | O | 4 | Password; if specified then it must be entered to delete the Option |
| techname | O | 8 | Name of the Technique whose default is being overridden <u>1</u> / |
| (Y°) (N) (int) | O | 1 | Default for using the Technique: Y = YES = ON |

| <u>Parameter</u> | <u>Required/ Optional</u> | <u>Maximum Characters</u> | <u>Description</u> |
|-------------------|-------------------------------|-------------------------------|---|
| | | | N = NO = OFF int = any integer The default must be enclosed in parenthesis and must follow the Technique name without a space between |
| S° F C A | O | 1 | Type of identifier where: S = Segment (default) F = Forecast Group C = Carryover Group A = area <u>2</u> / |
| identifiers | O | 8 | Identifiers; must be enclosed in parenthesis with the identifier type |
| argname | O | 8 | Name of the Argument being changed for the run |
| value | R | | Value for the Argument being changed <u>3</u> / <u>4</u> / |
| optname | R | 8 | Name of Option to be included that was previously stored using the DEFINE OPTION command |
| modcards | O | | MOD cards |

Notes:

- 1/ Each Technique must begin on a new card.
- 2/ Only Nonuniversal Techniques can have identifiers. Those Techniques that are applied universally over the entire forecast area cannot have identifiers.
- 3/ Argument values may be entered by position with commas between each value. For example to enter the third of three arguments use ',,5'.
- 4/ The maximum number of characters allowed for the Argument value depends on the type of Argument. Integer and real Arguments must be valid numbers; dates can be a maximum of 11 characters; and alphanumerics can be a maximum of 72 characters depending on the definition when the Technique was defined.

Examples

The following example shows that Options are in effect in the order received. Since the Option CORUN is included in the SETOPTIONS command after the SAVETDY Technique, the SAVETDY Technique will be N=NO=OFF for Function FCEXEC.

```
@DEFINEL OPTION NAME=CORUN
  SAVETDY (N)
@SETOPTIONS FCEXEC
  SAVETDY (Y)
  INCLUDE CORUN
@COMPUTE FCEXEC
```

The following example defines a named local Option named MDRMAP that will use only MDR data to compute MAP (Technique MDRONLY) for Carryover Group USERRFC. Several print Techniques for MDR and precipitation data are also specified.

```
@DEFL OPTION MDRMAP
  CGROUP USERRFC
  MDRONLY (C USERRFC)
  PRTMDR(2)
  PRTMDR6
  PRTPP24(0)
  PRTPP6(0)
```